

IN THE CLAIMS:**The following claims are pending.**

1. (Original) A component comprising:

at least one wall having an inner portion and an outer portion;
a plurality of pins extending between said inner and outer portions of said wall, wherein said pins define a mesh cooling arrangement comprising a plurality of flow channels; and
a plurality of turbulators disposed on at least one of said inner and outer portions of said wall.

2. (Original) The component of Claim 1, wherein said pins are characterized by a height-to-diameter ratio of about less than or equal to two ($H/D \leq 2.0$).

3. (Original) The component of Claim 2, wherein said pins are characterized by a height-to-diameter ratio of about less than one ($H/D < 1.0$).

4. (Original) The component of Claim 3, wherein said turbulators are formed on only one of said inner and outer portions of said wall.

5. (Original) The component of Claim 3, wherein said turbulators are formed on both of said inner and outer portions of said wall.

6. (Original) The component of Claim 3, wherein said turbulators extend between respective pairs of said pins in a direction transverse to a cooling flow.

7. (Original) The component of Claim 3, wherein said turbulators extend between respective pairs of said pins (18) and are oriented at an angle relative to a cooling flow.

8. (Original) The component of Claim 3, wherein a first subset of said turbulators extend between respective pairs of said pins and are oriented at a first angle relative to a cooling flow, wherein a second subset of said turbulators extend

between respective pairs of said pins and are oriented at a second angle relative to the cooling flow, and wherein the first and second angles intersect.

9. (Original) The component of Claim 3, wherein respective pairs of turbulators form chevron turbulators on the respective one of said inner and outer portions of said wall.

10. (Original) The component of Claim 9, wherein at least one of said chevron turbulators has an apex oriented upstream relative to a cooling flow.

11. (Original) The component of Claim 10, wherein each of said chevron turbulators has an apex oriented upstream relative to a cooling flow.

12. (Original) The component of Claim 9, wherein at least one of said chevron turbulators has an apex oriented downstream relative to a cooling flow.

13. (Original) The component of Claim 3, wherein said pins are characterized by a height-to-diameter ratio within a range of about 0.1 to about 0.3 ($0.1 \leq H/D \leq 0.3$).

14. (Original) The component of Claim 3, wherein said pins are circular.

15. (Original) The component of Claim 13, further comprising a plurality of dimples located in at least one of said inner and outer portions of said wall.

16. (Original) The component of Claim 15, wherein said dimples are located in both of said inner and outer portions of said wall.

17. (Original) The component of Claim 15, wherein said dimples are located in said outer portion of said wall.

18. (Original) The component of Claim 17, further comprising at least one coating on said outer portion of said wall.

19. (Original) The component of Claim 18, wherein said coating comprises a thermal barrier coating.

20. (Original) The component of Claim 18, wherein at least one of said dimples extends through said outer portion of said wall to form a cooling hole, and wherein said coating at least partially covers said cooling hole

21. (Original) The component of Claim 15, wherein each of said dimples has a center depth of about 0.010 to about 0.030 inches and a surface diameter of about 0.010 to about 0.12 inches.

22. (Original) The component of Claim 15, wherein at least one of said dimples extends through the respective one of said inner and outer portions of said wall to form a cooling hole.

23. (Original) The component of Claim 15, wherein none of said dimples extend through said inner and outer portions of said wall.

24. (Original) A hot gas path component comprising:

at least one wall having an inner portion and an outer portion;
a plurality of pins extending between said inner and outer portions of said wall, wherein said pins define a mesh cooling arrangement comprising a plurality of flow channels, wherein said pins are characterized by a height-to-diameter ratio within a range of about 0.1 to about 0.3 ($0.1 \leq H/D \leq 0.3$); and

a plurality of turbulators disposed on at least one of said inner and outer portions of said wall.

25. (Original) The hot gas path component of Claim 24, wherein said turbulators extend between respective pairs of said pins in a direction transverse to a cooling flow.

26. (Original) The hot gas path component of Claim 24, wherein said turbulators extend between respective pairs of said pins and are oriented at an angle relative to a cooling flow.

27. (Original) The hot gas path component of Claim 24, wherein a first subset of said turbulators extend between respective pairs of said pins and are oriented at a first angle relative to a cooling flow, wherein a second subset of said turbulators extend between respective pairs of said pins and are oriented at a second angle relative to the cooling flow, and wherein the first and second angles intersect.

28. (Original) The component of Claim 24, wherein respective pairs of turbulators form chevron turbulators on the respective one of said inner and outer portions of said wall.

29. (Original) The component of Claim 24, further comprising a plurality of dimples located in at least one of said inner and outer portions of said wall.